



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Friedman & Bruya
3012 16th Ave W
Seattle WA/USA, 98119-2029

Project: Michael Erdahl
Project Number: 205218
Project Manager: Michael Erdahl

Reported:
06/05/02 11:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
M68068A (pre filter)	B2E0758-01	Water	05/30/02 13:00	05/30/02 18:15
M68068B (post filter)	B2E0758-02	Water	05/30/02 13:00	05/30/02 18:15

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeanne Garthwaite, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

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AKC-0009195



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Reported:
06/05/02 11:00

Total Metals by EPA 6000/7000 Series Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M68068A (pre filter) (B2E0758-01) Water Sampled: 05/30/02 13:00 Received: 05/30/02 18:15									
Lead	ND	0.00100	mg/l	1	2F03027	06/03/02	06/04/02	EPA 6020	
M68068B (post filter) (B2E0758-02) Water Sampled: 05/30/02 13:00 Received: 05/30/02 18:15									
Lead	ND	0.00100	mg/l	1	2F03027	06/03/02	06/04/02	EPA 6020	

North Creek Analytical - Bothell

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AKC-0009196



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Project Number: 205218
Project Manager: Michael Erdahl

Reported:
06/05/02 11:00

Total Metals by EPA 6000/7000 Series Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 2F03027: Prepared 06/03/02 Using EPA 3020A									
Blank (2F03027-BLK1)									
Lead	ND	0.00100	mg/l						
LCS (2F03027-BS1)									
Lead	0.0807	0.00100	mg/l	0.0800		101	80-120		
LCS Dup (2F03027-BSD1)									
Lead	0.0806	0.00100	mg/l	0.0800		101	80-120	0.124	20
Matrix Spike (2F03027-MS1)									
					Source: B2F0001-02				
Lead	0.0834	0.00100	mg/l	0.0800	0.00296	101	75-125		
Matrix Spike Dup (2F03027-MSD1)									
					Source: B2F0001-02				
Lead	0.0839	0.00100	mg/l	0.0800	0.00296	101	75-125	0.598	20
Post Spike (2F03027-PS1)									
					Source: B2F0001-02				
Lead	1.01	0.00500	mg/l	1.00	ND	101	80-120		

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AKC-0009197



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Reported:
06/05/02 11:00

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

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AKC-0009198

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

June 12, 2002

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

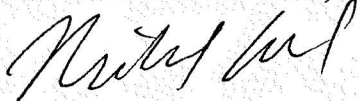
Dear Mr. Thompson:

Included are the results from the testing of material submitted on May 30, 2002 from your 3400 H2O Quality, PO# M68068 project. Samples M68068A (Prefilter) and M68068B (Post Filter) were sent to North Creek Analytical for Lead analysis. Review of the enclosed report indicates that all quality assurance was within acceptance limits. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU0612R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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FAX: (206) 283-5044
e-mail: fbi@isomedia.com

June 12, 2002

DUPLICATE COPY

INVOICE # 02ACU0612-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project 3400 H2O Quality, PO# M68068 - Results of testing requested by
Gerry Thompson for material submitted on May 30, 2002.

2 samples on 3 day TAT analyzed for Total Lead
by Method 6020 @ \$48 per sample

\$ 96.00

Amount Due

\$ 96.00

FEDERAL TAX ID #(b) (6)

SAMPLE CHAIN OF CUSTODY

Send Report To

Gerald Thompson

Company

ALASKAN Copper Works

Address

628 S. Harbor St

City, State, ZIP

Seattle WA 98134

Phone #

206-382-8379

Fax #

206-382-4309

SAMPLERS (signature)

PROJECT NAME/NO.

3400 H₂O Quality

PO #

M68068

REMARKS

Page # _____ of _____

TURNAROUND TIME

☐ Standard (2 Weeks)☒ RUSH 2 days

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

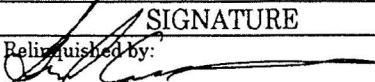
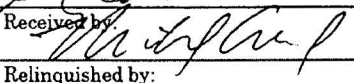
Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
M68068A (Pre Filter)	01	5/30/02	1:00	H ₂ O	1							✓				
M68068B (Post Filter)	02	5/30/02	1:00	H ₂ O	1							✓				

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: 	Gerald Thompson	ACW	5/30/02	2:15 pm
Received by: 	Michael E. Dahl	Pi River	✓	↓
Relinquished by:				
Received by:				